State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services
KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management
DAVID G. BUXTON
Director

ADDENDUM #6

Date: June 8, 2007

To: Contractors

From: Matthias Mueller, Program Director, DFCM

Reference: Utah National Guard – Camp Williams
Tass Barracks Phase 1
DFCM Project No. 95059480

Subject: **Addendum No. 6**

Pages			
	Addendum	1	page
	Revised Project Schedule	1	page
	WPA Architecture Addendum No. 6	12	pages
	Total	**14**	**pages**

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

6.1 SCHEDULE CHANGES – There has been a change to the Project Schedule. The revised Project Schedule reflects changes to the *Last Day to Submit Questions for Final Addendum, Prime Contractors Turn in Cost Proposals and Schedules, Subcontractor List Due, Cost Reduction Proposals Due, Interviews* and *Announcement.*

6.2 There has also been a correction to the *Substantial Completion Date* on the Revised Project Schedule as per Addendum No. 3 dated May 24, 2007 .

6.3 GENERAL

6.3.1 The 12 page attached documents from WPA Architecture – Addendum No. 6 includes:

- **a.** Architectural Specifications – 2 pages
- **b.** Section 335100 Natural Gas Distribution Systems – 4 pages
- **c.** WPA Architecture Supplemental Drawing – 1 page
- **d.** CKR Engineers, Inc., Structural Specifications – 3 pages
- **e.** Mechanical Specifications – 1 page
- **f.** Electrical Specifications – 1 page

End of Addendum #6

STATE OF UTAH - DEPARTMENT OF ADMINISTRATIVE SERVICES

Division of Facilities Construction and Management

DFC

REVISED - PROJECT SCHEDULE
AS PER ADDENDUM NO. 6 DATED JUNE 8, 2007

PROJECT NAME:	**TASS BARRACKS PHASE 1 – CAMP WILLIAMS UTAH NATIONAL GUARD – RIVERTON, UTA**
DFCM PROJECT NO.	**95059480**

Event	Day	Date	Time	Place
Request for Proposals Available	Tuesday	April 3, 2007	10:00 AM	Wasatch Building Utah State Fairpark Approx 155 North 1000 West Salt Lake City, UT ** and DFCM website*
Mandatory Pre-Proposal Site Meeting - Construction Documents Available	Thursday	April 12, 2007	9:00 AM	Building 8000 Camp Williams Riverton, UT
Last Day to Submit Questions	Thursday	April 26, 2007	4:00 PM	Matthias Mueller – DFCM e-mail: mmueller@utah.gov
Addendum Issued Responding to Questions	Thursday	May 3, 2007	2:00 PM	DFCM website*
Statements of Qualifications, Management Plans, and Termination / Debarment Certifications Due	Wednesday	May 9, 2007	2:00 PM	Wasatch Building Utah State Fairpark Approx 155 North 1000 West Salt Lake City, UT**
Short Listing by Selection Committee (if applicable)	Tuesday	May 15, 2007	TBD	TBD
Last Day to Submit Questions for Final Addendum	**Thursday**	**June 7, 2007**	**4:00 PM**	Matthias Mueller – DFCM e-mail: mmueller@utah.gov
Final Addendum Issued	**Friday**	**June 8, 2007**	**2:00 PM**	DFCM website*
Prime Contractors Turn in Cost Proposals and Schedules	**Wednesday**	**June 13, 2007**	**12:00 NOON**	Wasatch Building Utah State Fairpark Approx 155 North 1000 West Salt Lake City, UT**
Subcontractor List Due	**Thursday**	**June 14, 2007**	**12:00 NOON**	DFCM 4110 State Office Building SLC, UT Fax 801-538-3677
Cost Reduction Proposals Due	**Thursday**	**June 21, 2007**	**12:00 NOON**	Wasatch Building Utah State Fairpark Approx 155 North 1000 West Salt Lake City, UT**
Interviews	**Tuesday**	**June 26, 2007**	**TBD**	TBD
Announcement	**Wednesday**	**June 27, 2007**		
Substantial Completion Date	**Monday**	**December 15, 2008**		

*** DFCM's web site address is http://dfcm.utah.gov.**

**** Due to the ongoing construction on Capitol Hill and the anticipated shortage of parking during 2007, all required submittals will be received at the Wasatch Building at the Utah State Fairpark. Refer to the map on the DFCM web site for directions (http://dfcm.utah.gov/downloads/fairpark_map.pdf).**

WPA architecture
475 N. Freedom Blvd. Provo, Utah 84601 tel: 801.374.0800 fax: 801.374.0805

TASS COMPLEX
Camp Williams – Utah National Guard
DFCM Project No. 95059480

ADDENDUM NO. 6 - ARCHITECTURAL
June 8, 2007

SPECIFICATIONS

Item 1. Section 092400, Portland Cement Plastering: Change the following requirements:

2.5 (A) Diamond-Mesh Lath shall be 3.4 lb/sq. yd. (1.8 kg/sq. m).

2.9 (B) Portland Cement Base-Coat Mixes:

1) Over Metal Lath: Scratch and brown coats for three-coat plasterwork, 3/4" thick as follows:

a. Scratch Coat: For cementitious material, mix 1 part Portland cement and 3/4 to 1-1/2 parts lime. Use 2-1/2 to 4 parts aggregate per part of cementitious material (sum of separate volumes of each component material).
b. Brown Coat: For cementitious material, mix 1 part Portland cement and 0 to 3/4 parts lime. Use 3 to 5 parts aggregate per part of cementitious material (sum of separate volumes of each component material).

Item 2. Section 099123, Interior Painting: Add the following requirements:

3.3(F) Clear sealer on interior CMU walls:
1) Clear acrylic sealer:
a. Benjamin Moore M27-00.
b. Kemco Industries, Colear seal 25.
c. TK Products, AS-1 Achro Seal 1315.

Item 3. Section 331100, Water Distribution Systems: Reference specifications and plans for work of this section in the APWA 2007 Standards, which are available at:
http://utah.apwa.net/utah/specs/index%20page%20startup.htm

Item 4. Section 333100, Sanitary Sewerage Distribution Systems: Reference Design Standards and Construction Specifications of the South Valley Sewer District, which are available at:
http://www.southvalley.dst.ut.us/Specs.pdf

Item 5. 335100, Natural Gas Distribution Systems: Add the attached section of specifications.

PRIOR APPROVALS

The following manufacturers, vendors, etc., are noted in compliance with the "Instructions to Bidders":

Section	Product	Manufacturer/Product
071900	Water Repellent	Degussa Corp., Aqua-Trete
086250	Tubular Daylighting Systems	Velux America, Commercial Sun Tunnel
102226	Operable Partitions	Moderco Partitions, Model 8500
105113	Metal Lockers	ASI Storage Systems

Furnished items shall comply with criteria and character of the basic specification, fully adapted to the actual project conditions. Costs of accommodating this item which may vary from that indicated shall be the responsibility of the Contractor.

DRAWINGS

Item 1. Sheet AS-101: Replace Supplemental Drawings SD-1 and SD-2 which were included with in Addendum No. 3 with the attached Supplemental Drawing AS-101-1. Provide gas distribution lines as shown.

Item 2. Sheet AS-101: Provide asphalt paving materials in the following thicknesses:

A. Roadway of Academy Street:
   1) Asphalt paving: Minimum of 3".
   2) Road base: Minimum of 8".
   3) Compacted sub-base: Minimum of 8".

B. Drill Field, Service Court and parking stalls along Academy Street:
   1) Asphalt paving: Minimum of 3".
   2) Road base: Minimum of 6".
   3) Compacted sub-base: Minimum of 6".

Item 3. Sheets AE-502 and AE-502: Thicknesses of asphalt paving materials shown at details shall be changed to match as indicated in Item 2 above.

Item 4. Sheet AE-4A8: Eliminate the rubber base in Drill Floor #1037.

Item 5. Sheet AE-502: Detail 9: Delete note which reads, "3/8" Hard Coat Stucco Soffit" and replace with "Suspended Portland Cement Plaster (Stucco) Soffit."

Item 6. Sheet AE-6A3: Finish Legend for Ceilings shall match the legend shown on AE-1A4.

Item 7. Sheet AE-6A3: Finish Legend: Walls, Finishes CMU4, CMU-5 and CMU-6: Clarification -The "Standard Finish CMU" shall be colored units (Color 1) with a standard texture.

SECTION 335100 - NATURAL GAS DISTRIBUTION SYSTEMS

PART I - GENERAL

1.1 SUMMARY:

A. Includes But Not Limited To:

1. Furnishing and installing gas piping and fittings as described in Contract Documents from site piping system to building pressure regulator/valve.

2. Interface with continuing contract work from riser with valve through pressure regulating valve into new building.

B. RELATED SECTIONS:

1. General Conditions and Division 01 apply to this Section.

1.2 QUALITY ASSURANCE:

A. Furnish materials and equipment from reputable manufactures of types and sizes required, which projects have been available in the market place and in similar and satisfactory service for not less than 5 years.

B. INSTALLER QUALIFICATIONS: Installation of natural gas distribution system shall be by contractors who are authorized by Questar Gas Company, to follow their guidelines for such installation. Authorized contractors include the following:

1. Niels Fugal & Sons - Pleasant Grove, Utah
2. Tempest Company - Salt Lake City, Utah
3. Enoch Smith and Sons - Salt Lake City, Utah

1.3 SUBMITTAL:

A. Submit data sheets for all materials and equipment to be furnished and installed on the project.

1. Risers and transition fittings
2. Underground piping and fittings
3. Valves and valve boxes
4. Tracer/Identification markers
5. Costing and protection systems

B. Submit a complete installation procedure outlining the work from meter to buildings, with criteria and practices to be followed, details for each characteristic installation, proximity to other utility lines and method on installation at points of crossover including elevations, etc.

PART II - PRODUCTS

2.1 PIPING FROM METER(S) TO BELOW GROUND:

A. Piping: Schedule 40, A053 Grade B, black steel pipe with forged steel welding fittings.

Double wrap pipe from 12" above grade on underground with “pittwrap” or equivalent. Paint below grade welds and metallic fittings with cost tar enamel in two costs, wrap to seal water tight and corrosion resistant.

B. Valves included with building regulator set.

2.2 UNDERGROUND PIPING & VALVES:

A. Provide and install using materials and practice acceptable to Questar Gas Company for public utility installation.

B. Piping

1. Polyethylene pipe, tubing, fittings and joints shall conform to ASTM D 3350 and ASTM D 2513, pipe designations PE 2406 and PE 3408, rated SDR 11 or less, as specified in ASME B31.8. Butt fittings shall conform to ASTM D 3261 and socket fittings shall conform to ASTM D 2683. Fittings shall match the service rating of the pipe.

2. Gas transition fittings (polyethylene/steel) shall be manufactured steel fittings approved for jointing steel and polyethylene pipe. Approved transition fittings are those that conform to AGA-01 requirements for transition fittings.

C. Valves:

1. At building entry: of semi-steel cast iron, equivalent to ASTM A-126 Class b, lubricated plug, 200 PSI WOG, threaded, wrench operated. With locking feature. Equivalent to RESUN Fig. R-1430

D. Meter:

1. Provide complete gas meter set to comply with Questar and National Guard standards and to include shut-off valve, emergency gas tee connection and fitting, gas regulator valve (appropriate for pressure and flow demand), turbine type gas meter and seismic valve.

PART III - EXECUTION

3.1 PREPARATION:

A. Excavation and backfill shall be specified in other Division 02000 sections with the following additional requirements:

1. Runs shall be as close as possible to those shown on Drawings.

2. Excavate to required depth. Typical 24"

3. Bottom of trenches shall be hard and even.

4. Remove debris from trench prior to laying of pipe.

5. Do not cut trenches near footings without consulting Project Manager.

6. Bury outside pipe 24 inches minimum below finish grade.

3.2 INSTALLATION:

A. Extend new utility main piping to replace existing as indicated on the contract documents.

B. Extend new branch piping from new utility main piping to service point at new buildings. Coordinate shut-down(s) with owner. Provide minimum 72 hour prior notice for scheduling shut-down. Keep shut-downs to a minimum and maintain service to other buildings affected by the work.

C. Set service riser to buildings 10 inches away from foundation with the valve at least 12 inches above finish grade.

D. Provide necessary protection against damage for regulating valve.

E. Trace the entire underground piping system with a 6 inch wide plastic based metallic tracer tape laid in the trench 6 inches below the rough grade surface. Use a tape which is specifically colored and verbally codes for Natural Gas Service. Section 6 GAS-G.

F. Backfill only after pipe lines have been tested, inspected, and approved by Arch./Owners Representative.

G. Lay underground pipe in accordance with local gas utility company regulations and specifications.

3.3 CLEANING:

A. Remove excess earth from site or place as directed by Owners Representative.

3.4 TESTING:

A. Test all installed natural gas piping before acceptance. Tests may be made in segments as work progresses with a final test of the overall system.

B. Nominal operating pressure in the gas distribution system from meter to building service will be less than 20 PSI, but the piping system should be rated for at least 50 PSI. Therefore, conduct all tests at 1.5 times rated pressure, or 75 PSI.

C. Use clean dry compressed air or nitrogen to conduct all tests. First blow the segment of line from heading toward outlet and a velocity of not less than 10 feet per second until free of debris or entrained material.

Close off section of line to be tested. Introduce test air at a rate of not more than 10 PSI increase over 5 minutes.

Hold test pressure at each 10 PSI in cerement and check for leaks at joints and fittings.

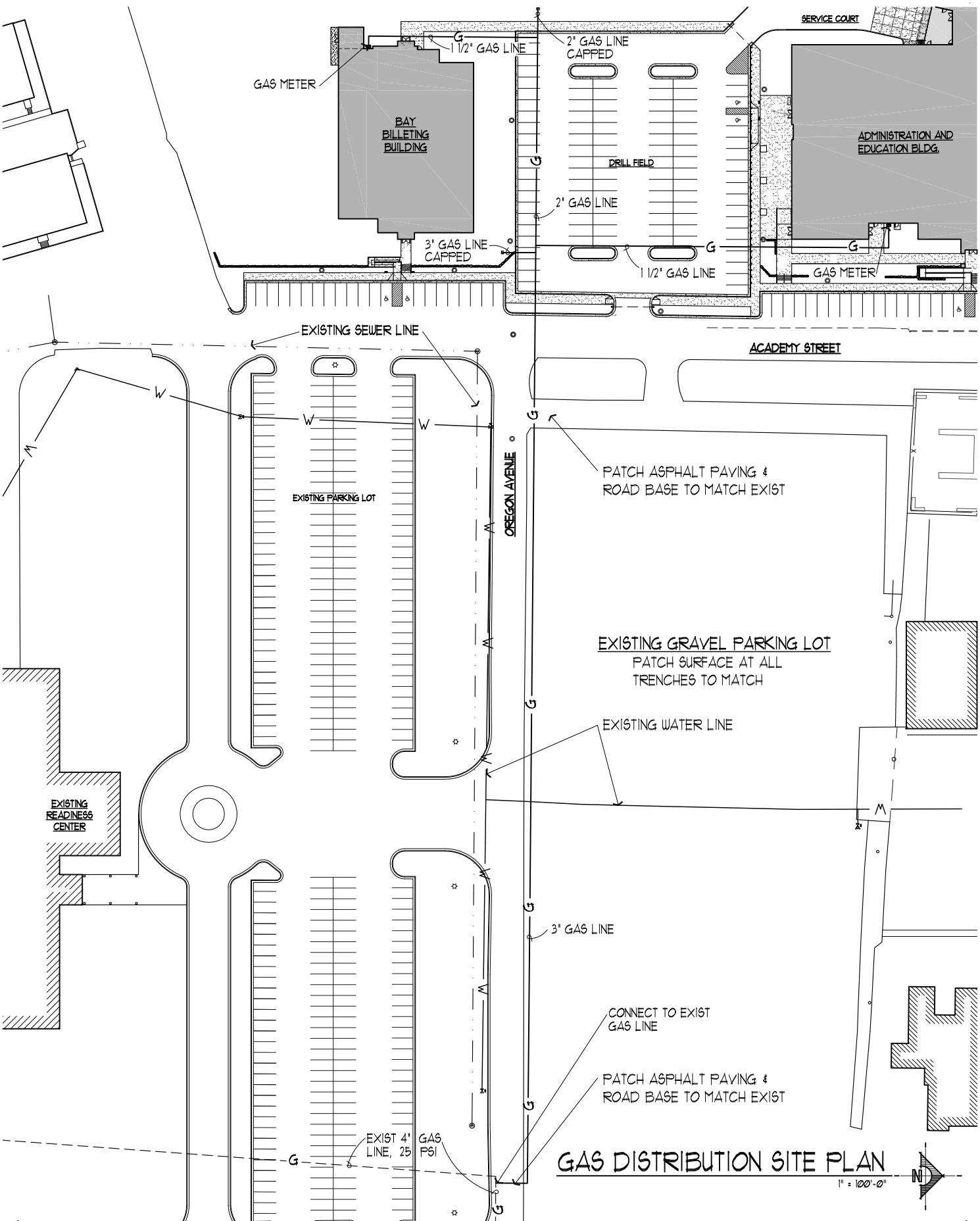
At final pressure of 75 PSI, remove source of pressure with valved closure, hold and observe for 6 hours - with no loss of pressure allowed.

At conclusion of test, drop pressure to 25 PSI and hold at same through completion of the work as a sign of continued system integrity. Investigate any loss of pressure over time for construction related loss of system integrity.

If pressure is relieved to extend or work on system, reestablish pressure after test and closure of affected work.

Immediately investigate and correct any defect in the natural gas system.

END OF SECTION 335100



GAS DISTRIBUTION SITE PLAN

1" = 100'-0"

WPA architecture
475 North Freedom Blvd.
Provo, Utah 84601
Tel: (801) 374-0800
Fax: (801) 374-0805

TASS COMPLEX
CAMP WILLIAMS

UTAH NATIONAL GUARD — RIVERTON, UTAH

Date: JUNE 4, 2007
Revision:

DFCM # 95059480

SUPPLEMENTAL DRAWING

AS-101-1

TASS COMPLEX
Camp Williams – Utah National Guard
DFCM Project No. 95059480

ADDENDUM NO. 6 - STRUCTURAL
June 8, 2007

SPECIFICATIONS

Item 1. Section 034100: Precast Structural Concrete: Change the following requirements:

1.4(A) Fabricator Qualifications: Fabricators who do not participate in the PCI Plant Certification program must comply with the requirements in the attached letter from CKR Engineers.

Item 2. Section 034500: Precast Architectural Concrete: Change the following requirements:

1.5(A) Fabricator Qualifications: Fabricators who do not participate in the PCI Plant Certification program must comply with the requirements in the attached letter from CKR Engineers.

CKR Engineers, Inc.
Consulting Structural Engineers

June 7, 2007

Mr. Ron Jones
WPA Architecture
475 North Freedom Blvd.
Provo, Utah

File: 5200

Re: TASS COMPLEX
Utah National Guard
Camp Williams, Utah

Dear Ron,

The specifications require the precast concrete supplier to participate in the PCI Plant Certification program. If the precast concrete supplier does not participate in the certification program, they will need to provide special inspection reports by an independent inspector on the product they supply. The special inspections required are shown in the attached Table 1704.4 from the IBC. Provide special inspection reports to our office for review.

Please call if you have further questions.

Sincerely,

Daniel D. Goodrich, P.E.

REGISTERED PROFESSIONAL ENGINEER
No. 295596
DANIEL D. GOODRICH
STATE OF UTAH

Reviewed by,

Steven J. Cosper, S.E.

Encl.

1283 N. State Street, Orem, Utah 84057
SLC 801-984-1301, Orem 801-222-0922, Fax 801-222-0902

TABLE 1704.4
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD[a]	IBC REFERENCE
1. Inspection of reinforcing steel, including prestressing tendons, and placement.	—	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5b.	—	—	AWS D1.4 ACI 318: 3.5.2	—
3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased.	X	—	—	1911.5
4. Verifying use of required design mix.	—	X	ACI 318: Ch. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
5. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	—	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
6. Inspection of concrete and shotcrete placement for proper application techniques.	X	—	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
7. Inspection for maintenance of specified curing temperature and techniques.	—	X	ACI 318: 5.11-5.13	1913.9
8. Inspection of prestressed concrete: a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.	 X X	—	 ACI 318: 18.20 ACI 318: 18.18.4	—
9. Erection of precast concrete members.	—	X	ACI 318: Ch. 16	—
10. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs.	—	X	ACI 318: 6.2	—
11. Inspect formwork for shape, location and dimensions of the concrete member being formed.	—	X	ACI 318: 6.1.1	—

For SI: 1 inch = 25.4 mm.

a. Where applicable, see also Section 1707.1, Special inspection for seismic resistance.

TASS COMPLEX
Camp Williams – Utah National Guard
DFCM Project No. 95059480

ADDENDUM NO. 6 - MECHANICAL

June 8, 2007

DRAWINGS

Item 1. Sheet ME-1A2: Provide 1 hour rated fire/smoke dampers in ducts that penetrate fire barrier walls at the atrium (Upper area of main lobby). See Code Analysis Second floor Plan on Sheet GI-0A1 for extent of fire barrier walls.

TASS COMPLEX

Camp Williams – Utah National Guard
DFCM Project No. 95059480

ADDENDUM NO. 6 - ELECTRICAL

June 8, 2007

DRAWINGS

Item 1. Sheet EE-1A7: Furnish and install thermal disconnect switch at each Fire/Smoke Damper required by Mechanical Addendum for main lobby atrium. Tie fire/smoke dampers to the F.A.C.P. for automatic shut down upon alarm.